

RF **XL** via **CTI**

**RF Electrification. Accelerating the transition
to a clean and prosperous energy future.**

WHAT RF **XL** CAN DO:

That's Innovation. **That's ACCELEWARE.**

A 'Bridge' to A Clean Future - Near Zero GHG Emissions in Petroleum Production:

Since RF **XL** can be fully powered by renewable electricity, nuclear, or other non-emitting power sources, this **CTI** powered radio frequency heating technology can produce no direct GHG emissions.

Support "Greening" of the Power Grid:

RF **XL** can function effectively on off-peak renewable power at lowest cost inputs, meaning improved economics for new renewable power sources whether powering heavy oil, hydrogen or carbon fibre related production, among others. Companies will be financially incented to use renewable power, creating a clean-energy based circular economy.

Respect the Land:

RF **XL** eliminates the need for external fresh water use and uses much less land, and does all this without the use of solvents. Add to this near zero-carbon emissions, and we allow for a healthier ecosystem through which to support biodiversity.

Clean Production via Electrification:

Aside from enabling low or near zero-carbon heavy oil and oil sands production for as long as fossil fuel development continues, Acceleware is now working with partners towards using our **CTI** in applications such as:

- turquoise hydrogen production
- bulk solids / crop drying and mining
- commercial heating

Provide Green, High-Tech Jobs:

Acceleware believes that adoption of RF **XL** will result in rapid creation of clean-tech jobs following successful completion of our ongoing commercial-scale pilot. Electrification ensures that good paying jobs in the oil sector can transition to good paying jobs in the new energy economy. With the ability for quick deployments and technology re-deployments from site to site, we anticipate thousands of jobs created in just a few years, including a focus on skilled job creation for Indigenous peoples.

DECARBONIZING INDUSTRIAL HEAT FOR HEAVY OIL PRODUCTION.

Technological advancements are making possible the electrification of production methods for Canada's heavy oil and oil sands. This means that we can stop burning fossil fuels to produce fossil fuels, a critical step toward a clean energy transition.

But CTI's RF **XL technology can do much more than produce clean oil.**

As the world moves towards a clean energy future, we believe that RF **XL** could play a key role by reducing or eliminating direct GHG emissions, as well as making big reductions in fresh water and land use. RF **XL** does all of this without the use of injected solvents or carbon capture.

- In addition to much cleaner oil production, we believe that our proprietary Clean Tech Inverter (**CTI**) could decarbonize the production of other energy sources and products. Through to hydrogen and carbon fibre, we expect that all **CTI** applications, including RF **XL**, could help to meaningfully lower the emissions curve as soon as 2030 (see reverse).
- RF **XL** is currently being piloted in Marwayne, Alberta. We anticipate pilot completion in 2023, with multi-well testing to commence soon after. We are aiming to have RF **XL** systems commercially available by 2026.



Now is the time to take a big step forward.

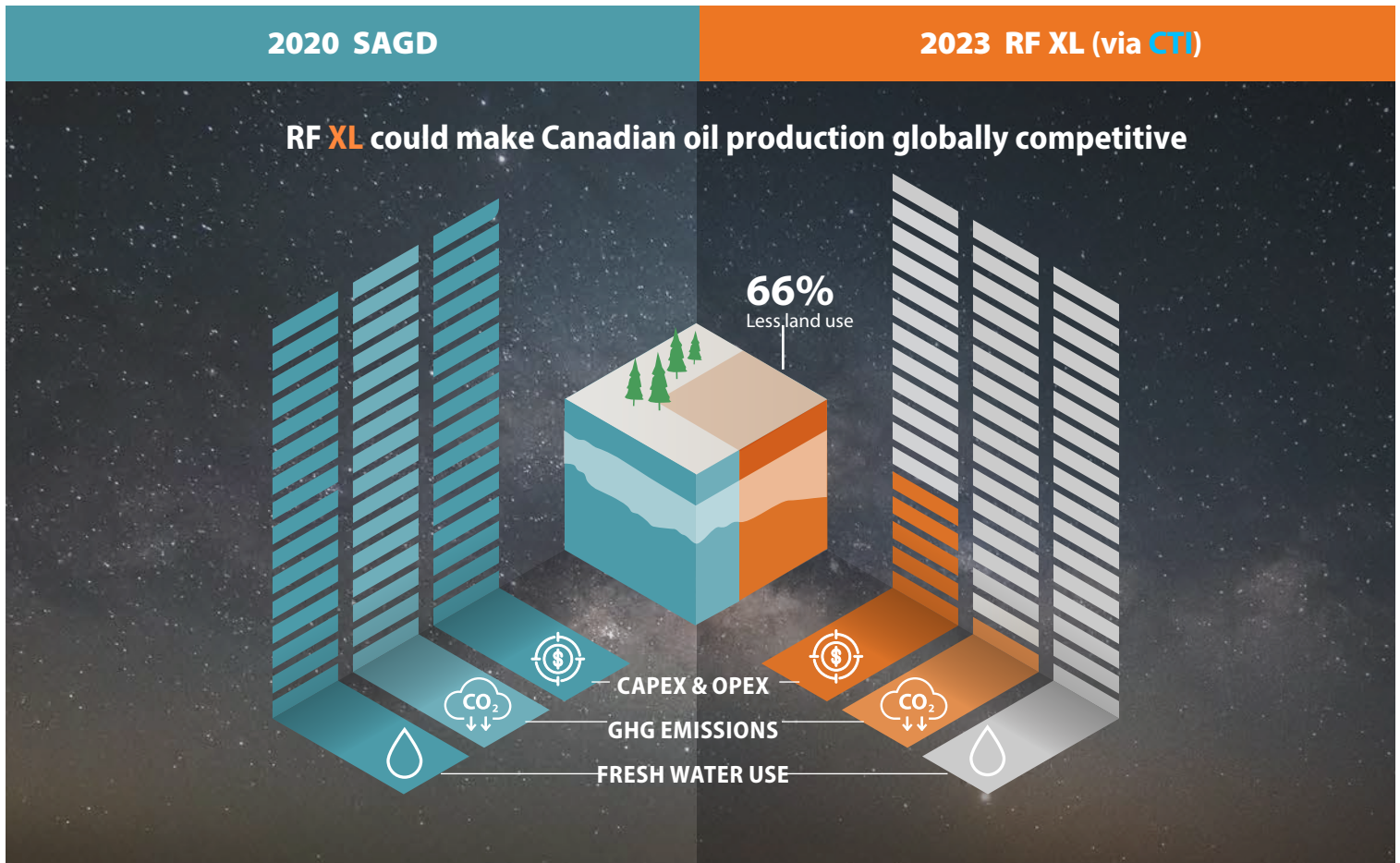
Time is of the essence – if Canada wants to capture market share in energy and future high value products, we need big ideas and a development plan that can be rapidly deployed.

Best-in-class decarbonization technology means a thriving transition economy.

RF **XL** and **CTI** position Canada to be a leader in clean energy development, creating new opportunities and growth prospects. Our vision is one of inclusiveness, diversity, democratization of energy, environmentally responsible prosperity and a thriving energy transition and economy for all.

CLEAN ENERGY MEANS CLEAN GROWTH

We believe **CTI**'s RF **XL** can be a major contributor in Canada achieving 2030 Paris Accord emissions reductions.



Create a resilient energy transition economy



JOB CREATION:

Ensure good jobs in the oil sector can transition to good jobs in the new energy economy and create new green high-tech jobs



MULTIPLE APPLICATIONS:

CTI can facilitate hydrogen, bulk solids / crop drying, mining and commercial heating with no direct GHG emissions



GREENING OF THE GRID:

RF **XL** can act as a curtailable (off-peak) base load for renewables, increasing capacity factor.

FOR FURTHER INFORMATION CONTACT:

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THAT'S INNOVATION. THAT'S ACCELEWARE

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